

Stormwater Pond Management

Regulatory Considerations and Tools















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Why Monitor?

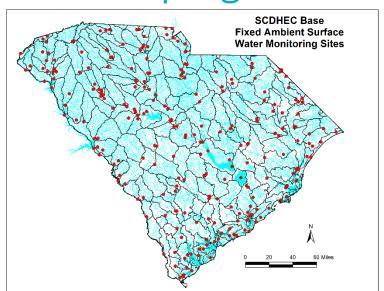
- Regulatory
- Non Regulatory
- Information/Decision Making
- Permit compliance





Regulatory Monitoring

- Water Quality Standards
- 303(d) Listing of Impaired Waters
- 305(b) Assessment of water quality conditions and water pollution control programs in South Carolina





319 Program

 Funds passed through from EPA for water quality improvement projects







Non-Regulatory Monitoring

Volunteer monitoring groups

Find illicit discharges



Use information for decision-making



Permit Compliance

National Pollutant Discharge Elimination System -

NPDES



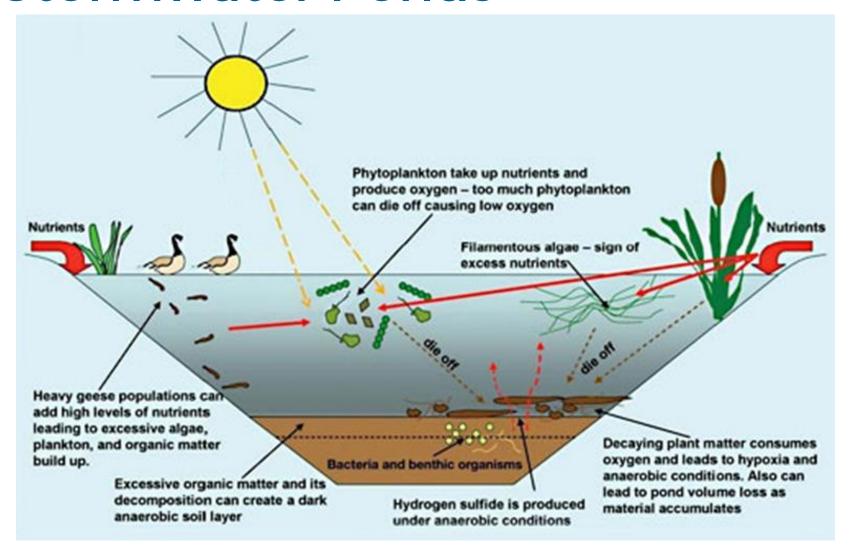
Point Source - PS

Non-Point Source - NPS

Municipal Separate Storm Sewer System – MS4



Stormwater Ponds





What are You Monitoring For?















Water Quality



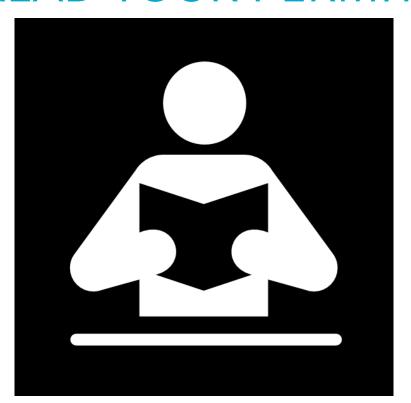
 Baseline, improvement, current conditions, trends

Bacteria, nutrients, chlorophyll a, chemicals, pesticides, biological



MS4 Permit Requirements

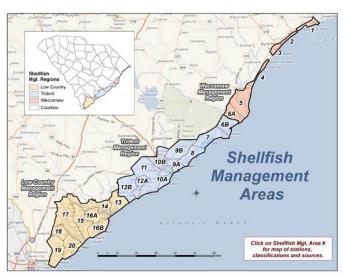
READ YOUR PERMIT





"Sensitive Waters"

- TMDL Total Maximum Daily Load
- 303(d) list of Impaired Stations
- SWPA Source Water Protection Area
- Special Classifications
 - ORW: Outstanding Resource Water
 - Trout
 - Shellfish





Tools

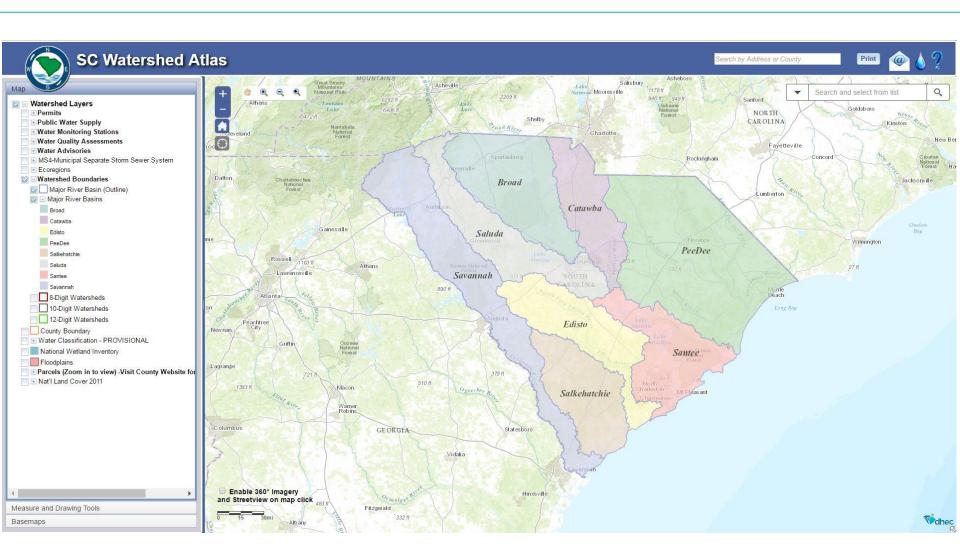
- Guidance Documents
- Technical Reports
- DHEC Website,
 - Links to other info
 - NOI Tool
 - WATERSHED ATLAS



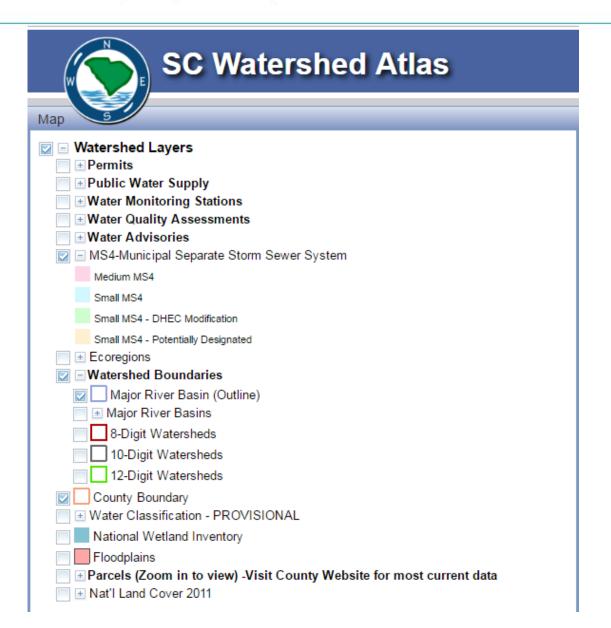




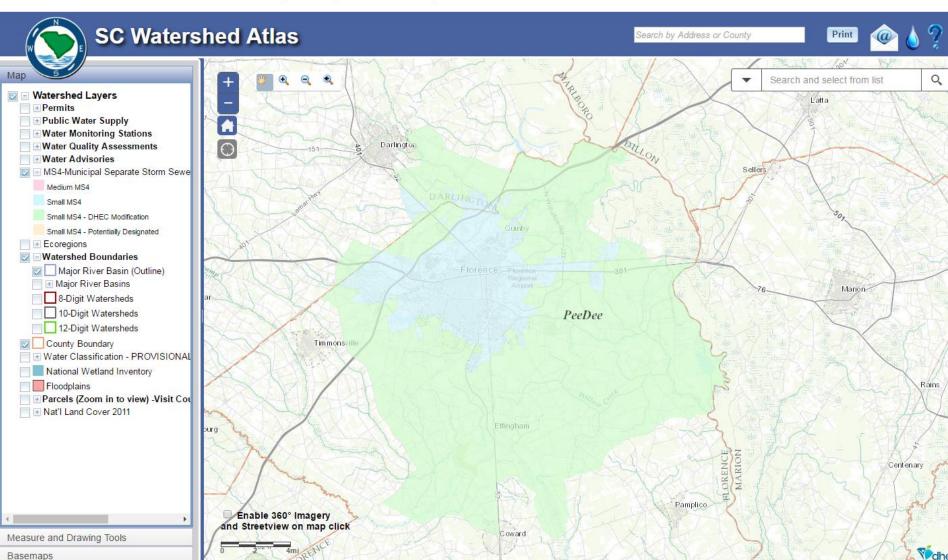




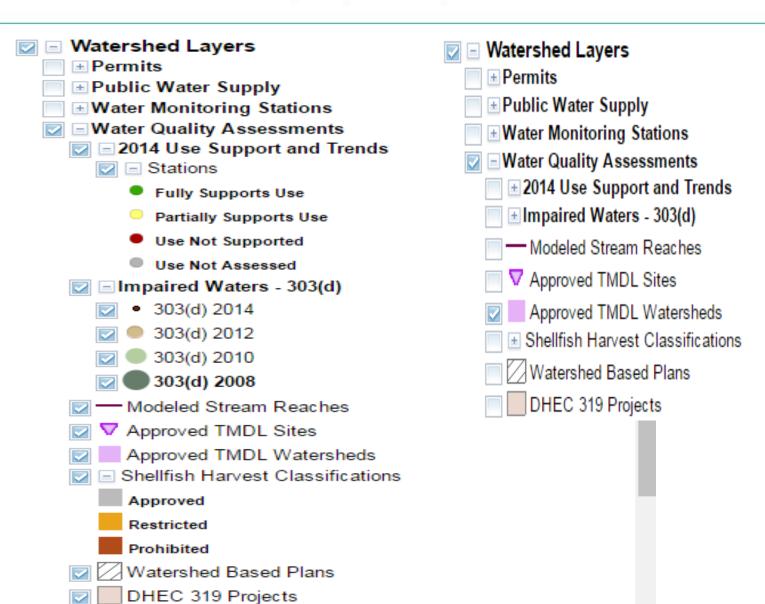




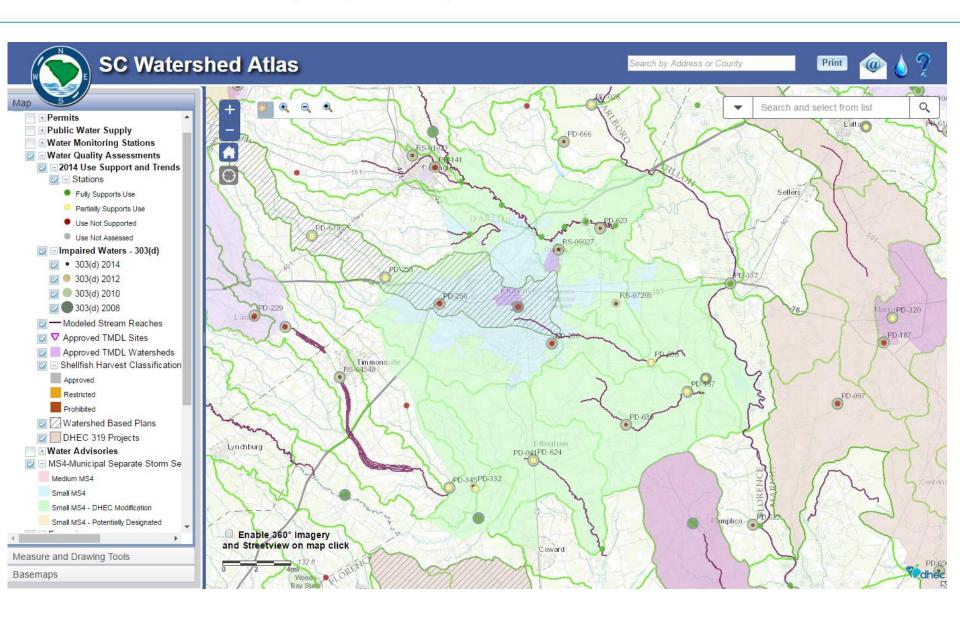




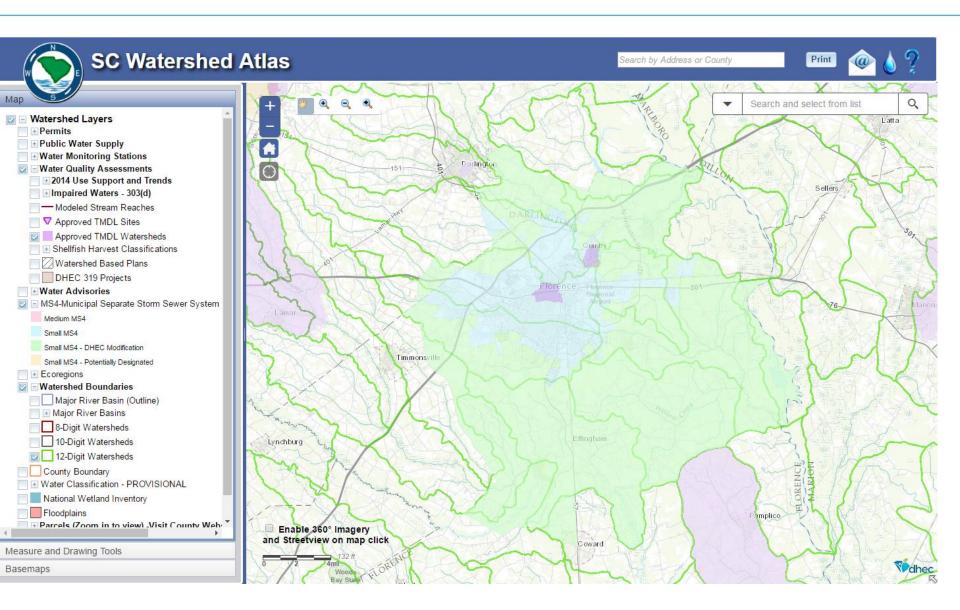




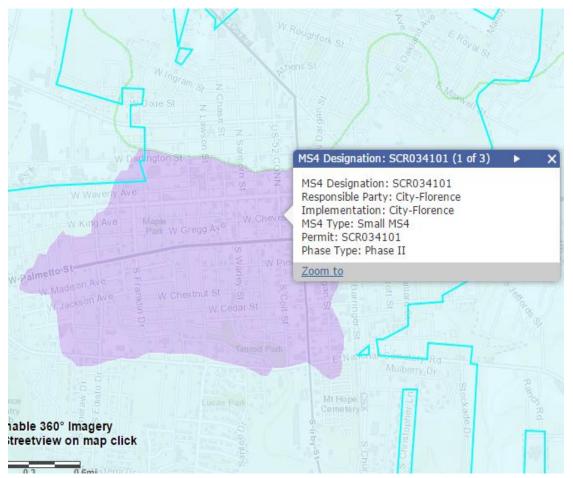


















TOTAL MAXIMUM DAILY LOADS

FOR

FECAL COLIFORM

FOR

Hills Creek, Lynches River, North and South Branch of Wildcat Creek, Flat Creek, Turkey Creek, Nasty Branch, Gulley Branch, Smith Swamp, Little Pee Dee River, Maple Swamp, White Oak Creek, and Chinners Swamp of the Pee Dee Diver Basin, South Carolina

Hydrologic Unit Codes: 03040202, 03040205, 03040201, and 03040204



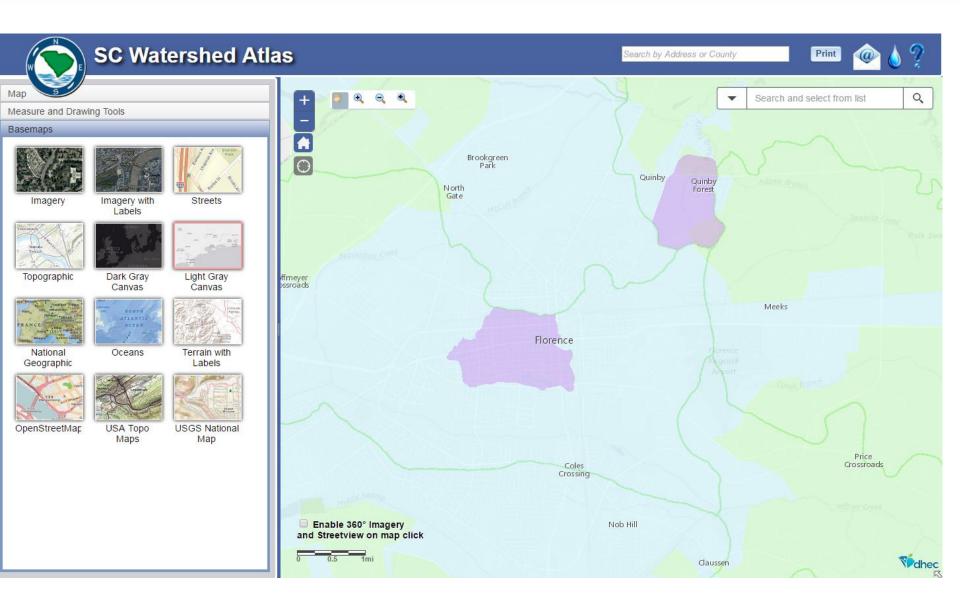
September 2005

SCDHEC Technical Report Number: 029-05

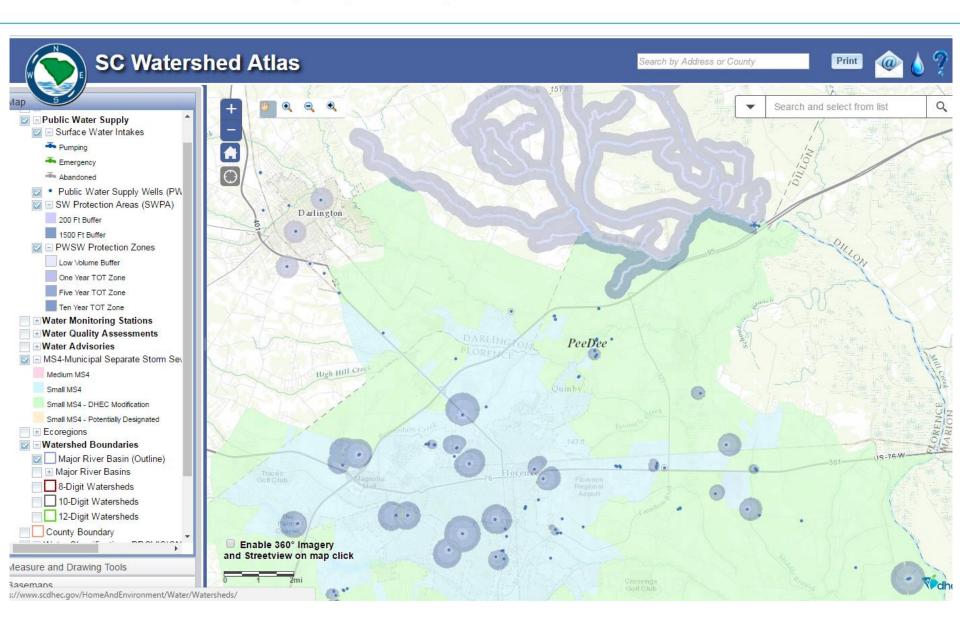














A fool can throw a stone in a pond that 100 wise men cannot get out. Saul Bellow

















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